



State of Utah

Department of Natural Resources

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Division of Oil, Gas & Mining

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Lieutenant Governor

August 31, 2006

CERTIFIED RETURN RECEIPT
7004 2510 0004 1824 4745

Mike Dalley
Staker Parsons Companies
151 West Vine Street
Murray, Utah 84107

Subject: Third Review of Notice of Intention to Commence Large Mining Operations,
Staker Parsons Companies, Task # 637, Beck Street Quarries, Salt Lake County,
Utah

Dear Mr. Dalley:

The Division has completed a review of your response for the Beck Street Quarries, received March 30, 2006. After reviewing the information, the Division has the following comments which need to be addressed before tentative approval may be granted.

The comments are listed below under the applicable Minerals Rule heading. Please format your response in a similar fashion and address only those items requested in the attached technical review. Send replacement pages of the original notice **using redline and strikeout text** and indicate how these are to be incorporated into the current approved plan using the attached Form-MR-REV-att. After the notice is determined technically complete you will be asked to send us two clean copies; one copy will be returned. Please provide a response to this review by October 1, 2006.

If you have any questions please contact me at 538-5258, or Doug Jensen of the Minerals Staff at 538-5382. If you wish to meet and discuss this review, please contact us at your earliest convenience. Thank you for your cooperation in completing this permitting action.

Sincerely,

Susan M. White
Mining Program Coordinator
Minerals Regulatory Program

SMW:?:pb

Attachment: Review

cc: Lynn Pace, Salt Lake City Corporation

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SECOND REVIEW OF NOTICE OF INTENTION TO COMMENCE LARGE MINING OPERATIONS

**Staker Parsons Companies
Beck Street Quarries**

**M/035/019
August 31, 2006**

R647-4-105 - Maps, Drawings & Photographs

- 105.1 Topographic base map, boundaries, pre-act disturbance
The plan states that the 112 acres that are a part of the NOI are shown on Figure 2. The 549 acre property outline is shown on Figure 2, but nowhere on Figure 2 is the 112 acre disturbed area shown. Please highlight an outline of this area on Figure 2. (DJ)
- The plan states that Figure 3 shows acres excluded from this permit. When viewing Figure 3, it is unclear which areas are excluded. Please cross-hatch or shade those areas to be excluded. (DJ)
- The equipment storage area is noted as an area to be excluded from the permit area. If this area is being used to store equipment used in mining on the site, it needs to be shown as part of the permit area. (DJ)
- The plan states the one water containment pond on the site is shown on Figure 3. Figure 3 has an area labeled as "wash water pond" and also has an area labeled "washout pond". Please list the additional pond in the permit application. (DJ)
- 105.2 Drawings or Cross Sections (slopes, roads, pads, etc.)
None of the cross-sections included in the initial submittal cover the area of Phase 1. Please include a minimum of one east-west cross-section through this area. (DJ)

R647-4-107 - Operation Practices

- 107.5 Suitable soils removed & stored
The plan states soils from the upper bench area will be used for the reclamation of the rockfall buffer. Please include in the plan the details on how these soils from the upper benches will be relocated to the pit floor for use in reclamation. (DJ)

R647-4-109 - Impact Assessment

- 109.4 Slope stability, erosion control, air quality, safety
It should be noted in the plan that adequate factors of safety for the highwalls in Phase 1 are achieved only when the excavated face trends no further east than true north. (DJ)

R647-4-110 - Reclamation Plan

110.5 Revegetation planting program

The use of a drill to seed the floor after it is regraded and ripped is not recommended due to roughness of the area and that the use of a drill will result in operating equipment on areas that have been ripped. (DJ)

R647-4-111 - Reclamation Practices

111.7 Highwalls stabilized at 45 degrees or less

The latest submittal states "The IGES study concluded that the lowermost rock unit comprised of higher quality limestone can be reasonably be steepened to 60 degrees. The upper lithologies require a combination of slope flattening and benching in order to achieve acceptable levels of stability".

The typical cross section shown on Figure 6 and the final pit limits shown on Figure 5 do not show any reduction of slope angles in the upper lithologies.

Please correct Figures 5 & 6 to reflect the finding of the IGES study. (DJ)

Please state in the plan the approximate elevation at which these "higher quality limestones" are intercepted in mining in the southernmost area of the quarry.

Please show a reduction in the ultimate highwall slope in areas above this elevation. (DJ)

R647-4-113 - Surety

Loading/trucking shows a total of 52 trips at \$405/trip to remove equipment from the site. This calculation should show the cost of several laborers to assist with the loading and removal. (DJ)

Trucking costs furnished with submittal reflects a trucking cost which have been used since the initiation of the permitting process several years ago.

This cost should be adjusted taking into account increased trucking costs. The Division suggests a cost of \$600 be used for these costs. (DJ)

Item 9.2 Pit Floor: regrade/topsoil/seed should include a loader and several trucks to load and haul a portion of the topsoil material to areas of the pit floor where it cannot be efficiently spread by a dozer.

Please include the cost of spreading the soil in the surety. (DJ)

The plan shows that a 966 loader will be used to construct the safety berm above the highwall.

It is suggested that a trackhoe be used to construct the safety berms. The trackhoe will be more efficient and will impact less area harvesting the material needed for the berms.

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The surety should include a cost to harvest the soil before the berms are constructed and a cost to respread soil and revegetate after the berm is constructed. (DJ)

There are buildings located near the entrance to the hot plant entrance which are located within the permitted area.

The cost of demolition of these buildings needs to be included in the surety. (DJ)

The cost of the removal and disposal of the asphalt roads into the site needs to be included in the surety. (DJ)

The demolition of the retaining wall at the crusher is shown in the surety.

What equipment will be used to complete this demolition? If the equipment to be used is not shown in the mob/demob costs, please include this cost in the estimate. (DJ)

The retaining wall at the gyratory crusher contains in excess of 200 cubic yards of concrete.

Please add a line item for the disposal of this material. (DJ)

The escalation rate to be used for the surety is now 1.6%. (DJ)